

1 **Abstract**
2 Matching the color axis of the watermark detector to the color direction used by the
3 watermark embedder: A preferred projection axis is determined for each pixel. The
4 preferred projection axis for each pixel is determined by examining the color values
5 of the surrounding pixels in a selected area. Once the preferred projection axis for
6 each pixel is determined the color values of that pixel are projected onto this axis to
7 generate a set of values for each pixel. The watermark grid or data signal can then
8 be detected from these values using known techniques.
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